8:30 - 8:45 Intro x Welcome Intro from Los Alamos National Laboratory TBD X Session Chair X Session Chairs Chair - Johar Ali Chair - Jo	05/29/2013 - Wednesday				
8:30 - 8:45 Intro x Welcome Intro from Los Alamos National Laboratory TBD x Session Chair x Session Chairs Chair - Johar Ali Chair - Joh	Time	Туре		Title	Speaker
Resion Chair Session Chairs Keynote FF0083 Speaker 1 FF0084 Speaker 2 FF0085 Speaker 2 FF0086 Speaker 3 FF0087 Speaker 3 FF0137b Roche 454 sequencing — (Roche) Illumina Next Generation Sequencing Sample Preparation Improvements — (Illumina) Speaker 5 FF0086 FF0087 FF0087 Speaker 6 FF0087 Roche 454 sequencing — (Roche) Illumina Next Generation Sequencing Sample Preparation Improvements — (Illumina) Illumina Next Generation Sequencing Sample Preparation Improvements — (Illumina) Speaker 5 FF0087 Illumina Next Generation Sequencing Sample Preparation Improvements — (Illumina) Speaker 5 FF0089 Squencing for All, Enabled by the Ion PGMT** and Ion Proton** Next Generation Sequencing Technology Panel Discussion Lunch X Session Chair FF0039 Optical Mapping Aids Contig Localization and Order: Lessons Learned from Applying it to the Unusual Region of Chromosome 4q in Zebrafish Adam English Jonathan Wood	7:30 - 8:30am	Breakfast	x	La Fonda Breakfast Buffet	Sponsored by NEB
8:45 - 9:30 Keynote FF0093 Genomic Futurism Season Chair - Donna M Richard Gibbs Spaker 1 FF0094 Genomic Futurism Season Chair - Donna M Richard Gibbs Spaker 1 FF0094 Speaker 2 FF0095 Genomic Futurism Season Chair - Donna M Richard Gibbs Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Global Transcriptome Analysis and GeneSitier Todd Smith Oyster Using Chair - Both Full Cha	8:30 - 8:45	Intro	x	Welcome Intro from Los Alamos National Laboratory	TBD
9:30 − 9:50 Speaker 1 FF0064 Speaker 2 FF0064 Speaker 2 FF0081 Speaker 2 FF0081 Transcriptome Analysis and GeneSitler New Tools for Comprehensive Exome Analysis and GeneSitler New Tools for Comprehensive Exome Analysis Improves Clinical Utility of Exome Sequencing 10:10 − 10:30 Break x Beverages and Snacks Provided Sponsored by DNAnexus 10:30 − 10:50 Speaker 3 FF0137b Roche 454 sequencing (Roche) Jim Knight 10:50 − 11:10 Speaker 4 FF0232 Illiumina Next Generation Sequencing Sample Preparation Improvements (Illiumina) Speaker 5 FF0239 Sequencing for All, Enabled by the Ion PGM™ and Ion Proton™ Jason Affourtit Systems (Illiumina) Speaker 6 FF0206 Emerging Applications and Roadmap for the PacBio RS II (PacBio) Stephen Turner 11:50 ⋅ 12:40 Panel Discussion x Next Generation Sequencing Technology Panel Discussion Chair - Bob Full Chair - Patrick 12:40 − 2:00pm Lunch x Coronado Lunch Buffet Sponsored by Sponsored by Sponsored by Sponsored by Speaker 8 FF0038 Speaker 8 FF0038 Speaker 8 FF0039 Speaker 9 FF0157 A High-Throughput Pipeline for Improving Assemblies with Optical Maps Elliott Drábek 13:20 − 3:40 Speaker 10 FF0158 Self-Validating Technology-Agnostic Genome Assembly Bud Mishra 3:20 − 3:40 Speaker 11 FF0099 De Novo Mapping with Single-Molecule Detection in Solid-State Detectors Sequencing Inchinal Packer Sponsored by S	x	Session Chair	x	Session Chairs	Chair - Johar Ali Chair - Donna Muzny
9:50 - 10:10 Speaker 1 FF004 New Tools for Comprehensive Exome Analysis and GeneSitter 10:10 - 10:30 Break	8:45 - 9:30	Keynote	FF0093	Genomic Futurism	Richard Gibbs
10:10 - 10:30 Break x Beverages and Snacks Provided Sponsored by DNAnexus 10:30 - 10:50 Speaker 3 FF0137b Roche 454 sequencing · · · (Roche) Jim Knight 10:50 - 11:10 Speaker 4 FF0232 Illimina Next Generation Sequencing Sample Preparation Improvements · · · · (Illimina) Roche Annexus 11:10 - 11:30 Speaker 5 FF0229 Sequencing for All, Enabled by the Ion PGM™ and Ion Proton™ Jason Affourtit 11:30 - 11:50 Speaker 6 FF0266 Emerging Applications and Roadmap for the PacBio RS II · · · (PacBio) 11:50 - 12:40 Panel Discussion x Next Generation Sequencing Technology Panel Discussion Chair · Bob Fult 12:40 - 2:00pm Lunch x Coronado Lunch Buffet Sponsored by Panel Discussion Chair · Bob Fult 2:00 - 2:20 Speaker 7 FF0158 Session Chairs 2:00 - 2:20 Speaker 8 FF0039 Optical Mapping Aids Contig Localization and Order: Lessons Learned from Applying it to the Unusual Region of Chromosome 4q in Zebrafish 2:20 - 2:40 Speaker 9 FF0157 A High-Throughput Pipeline for Improving Assemblies with Optical Maps 3:00 - 3:20 Speaker 10 FF0124 Self-Validating Technology-Agnostic Genome Assembly Bud Mishra 3:20 - 3:40 Speaker 11 FF0039 De Novo Mapping with Single-Molecule Detection In Solid-State Detection FF0031 In Single-Molecule Detection In Complex Center Possion Analysis 3:40 - 4:00 Break x Beverages and Snacks Provided SioNano 4:00 - 6:00pm Tech Time Talks (15 min each) Ff0074 Meeting the Chailenges of High-throughput Library Construction for Illimina Sequencing from Lovi-input and FFPE Samples: Engineered Enzymes and Optimized, Automated Protocols FF0014 Provided Protocols Provided Protocols Provided SioNano Provided Protocols Provided Protocols Provided Provided Protocols Provided Protocols Provided Protocols Provided Provided Protocols	9:30 – 9:50	Speaker 1	FF0064		Todd Smith
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10:50 – 11:10 Speaker 4 FF0332 Illumina Next Generation Sequencing Sample Preparation Improvements – (illumina) 11:10 – 11:30 Speaker 5 FF0229 Systems — (LifeTech) 11:30 – 11:50 Speaker 6 FF0206 Emerging Applications and Roadmap for the PacBio RS II — (PacBio) 11:50 - 12:40 Panel Discussion x Next Generation Sequencing Technology Panel Discussion 12:40 – 2:00pm Lunch x Coronado Lunch Buffet Speaker 7 FF0158 Session Chairs 2:00 – 2:20 Speaker 7 FF0158 Session Chairs Sequencing and Finishing 2:20 – 2:40 Speaker 8 FF0039 Optical Mapping Aids Contig Localization and Order: Lessons Learned from Applying it to the Unusual Region of Chromosome 4q in Zebrafish 2:40 – 3:00 Speaker 9 FF0157 A High-Throughput Pipeline for Improving Assemblies with Optical Maps Blillott Drábek 3:00 – 3:20 Speaker 10 FF0124 Self-Validating Technology-Agnostic Genome Assembly Bud Mishra 3:20 – 3:40 Speaker 11 FF0099 Detectors 3:40 – 4:00 Break x Severages and Snacks Provided Sponsored by Blokano 4:00 - 6:00pm Tech Time Talks (15 min each) FF0014 Tech Time Talks (15 min each) FF0014 Tech Time Talks (15 min each) FF0015 Illumina Sequencing from Low-input and FFPE Samples: Engineered Enzymes and Optimized, Automated Protocols Marys and Protocol Procession Analysis Using Masourd Toloue Propose Agnostic Gene Expression Analysis Using Masourd Toloue Propose Agnostic Gene Expression Analysis Using Masourd Toloue	10:10 – 10:30	Break	x	Beverages and Snacks Provided	
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11:50 - 12:40 12:40 - 2:00pm 12:40 - 2:20 13:40 - 2:20 14:40 - 3:00 15:40	11:30 – 11:50	Speaker 6	FF0206	Emerging Applications and Roadmap for the PacBio RS II (PacBio)	Stephen Turner
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3:00 − 3:20 Speaker 10 FF0124 Self-Validating Technology-Agnostic Genome Assembly Bud Mishra 3:20 − 3:40 Speaker 11 FF0099 De Novo Mapping with Single-Molecule Detection In Solid-State Detectors John Oliver 3:40 − 4:00 Break x Beverages and Snacks Provided Sponsored by BioNano FF0212 Developing 400-base Sequencing for the Ion PGM™ Daniel Mazur FF0031 Irys: De Novo Assembly and Structural Variation Detection in Complex Genomes Using Extremely Long Single-Molecule Imaging VanSteenhouse FF0044 Genome Mapping in Nanochannel Arrays for Sequence Assembly and Structural Variation Analysis FF0074 1000 Cancer Gene Panel for Clinical Next Generation Sequencing Yilin Zhang Meeting the Challenges of High-throughput Library Construction for Illumina Sequencing from Low-input and FFPE Samples: Engineered Enzymes and Optimized, Automated Protocols FF0104 Direct Selection of Microbiome DNA from Host DNA Bradley Langho Masoud Tolque Masoud Tolque	2:20 – 2:40	Speaker 8	FF0039		Jonathan Wood
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3:40 – 4:00 Break X Beverages and Snacks Provided FF0012 Developing 400-base Sequencing for the Ion PGM™ Daniel Mazur FF0031 Irys: De Novo Assembly and Structural Variation Detection in Complex Genomes Using Extremely Long Single-Molecule Imaging Genome Mapping in Nanochannel Arrays for Sequence Assembly and Structural Variation Analysis FF0074 Tech Time Talks (15 min each) Tech Time Talks (15 min each) FF0101a Meeting the Challenges of High-throughput Library Construction for Illumina Sequencing from Low-input and FFPE Samples: Engineered Enzymes and Optimized, Automated Protocols FF0104 Direct Selection of Microbiome DNA from Host DNA Bradley Langho Masoud Tolque Masoud Tolque	3:00 – 3:20	Speaker 10	FF0124	Self-Validating Technology-Agnostic Genome Assembly	Bud Mishra
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■ FEU216 I''' Y '''' IMASOUD LOIQUE			FF0104	Direct Selection of Microbiome DNA from Host DNA	Bradley Langhorst
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FF0156 Getting to Q60 with Pure PacBio(r) Long Reads David Alexander			FF0156	Getting to Q60 with Pure PacBio(r) Long Reads	David Alexander
	6:00 = 7:30pm		EVEN #s		Sponsored by Roche 6:00pm - 9:00pm
			ODD #s		Sponsored by Roche 6:00pm - 9:00pm
9:00 - bedtime on your own x Night on your own - enjoy x	9:00 - bedtime	on your own	x	Night on your own - enjoy	x